SIGNAL COMPRESSION BASED ON CURVATURE PARAMETERS

Abstract

For a sampled signal, storing characteristic points generated based on

5   parameters corresponding to curvature of the signal. The characteristic points

include a time of occurrence of a lobe in a curvature series based on the signal and a

corresponding amplitude of the signal. The characteristic points provide a

compressed version of the sampled signal. The signal is reconstructed by

establishing a function between a chronological sequence of characteristic points.

10   For a repetitive signal, the stored data includes a code to indicate a time of

reoccurrence of a previous cycle or data corresponding to differences between a

previous cycle and a current cycle.